

Figure 3
Water Surface Profile

Figure 3, the water surface profile, matches the slope of the creek and provides floodplain elevation information at different locations. Referring to Cross Section **AP** on the profile, it can be determined that the elevation of the 100-year flood is 58 feet.

Looking downstream, to Cross Section **AD**, a distance of 1,450 feet, it can be determined that the 100-year flood at this location is 43 feet.

Floodplains vary by location because water flows downhill. The important information in Figure 3 is the elevation of the 100-year flood. The City of Bellevue severely restricts the construction of buildings or structures in the floodplain. Bridges, roadways, culverts and other permanent barriers that cause floodwaters to back-up are reflected in the new Kelsey Creek Floodplain Map.

